

Program Schedule- ICRSDM-2017

(Tentative)

Day-1

Registration & Inaugural Function

Date: 11 October, 2017

Venue: Dr. Y. V. S. Murthy Auditorium, College of Engineering (A)

13:00 hrs Registration Desk Open

13:00 – 14 :00 Musikos- Live Band

14:00 – 15:00 Keynote Speaker – Dr. G. Dileep Kumar (IOWA State University, USA)

15:00 – 16:00 Presentations by Geo-Engg., ESRI, APSAC, APSDMA, IIRS, OS Geo, NDRF

16:00 – 17:30 Inaugural Function
& Keynote address- Dr. Y.V. N. Krishna Murthy, Director, NRSC (ISRO)

Day-2

Venue: Seminar Hall-1, Platinum Jubilee Guest House, Andhra University, Visakhapatnam

Date: 12 October, 2017

09:00 – 10:00 Keynote Speaker – Dr. Amitanshu Pattanaik (Sr. Scientist, DRDO)

Session-I Theme: Natural Disasters- I

Time: 10:00-11:30 IST

Chair: Dr. K. Rama Murthy

Co-Chair: Prof. V. Venkateswara Rao

S. No.	Paper ID	Title of the Paper	Authors
1	ICRSDM05	GIS based management system for flood forecast applications	Sravani Duvvuri
2	ICRSDM11	Rapid detection of regional level flood event using AMSR-E and AMSR2 satellite images	Venkata Sai Krishna Vanama, Praveen kumar Ch, Y.S.Rao
3	ICRSDM15	Insight to the Potentials of Sentinel-1 SAR data for Embankment Breach Assessment	Thota Sivasankar, Ranjit Das, Suranjana B, Borah, PLN Raju
4	ICRSDM38	Integrated action plan for flood mitigation and flood hazard risk management in Ballia district, Uttar Pradesh	A.K.Agarwal, Pramod Kumar, Rituyadav, Vijay kamar Singh Rathore, AnjanaKatiyar
5	ICRSDM43	Flood Hazard Assessment of Part of the Yamuna River using Geospatial Method	Kuldeep, P. K. Garg, R. D. Garg
6	ICRSDM46	Elevation wise Snow Cover Mapping Using Satellite Data in Sutlej Basin	E. Srinivas, Nagaraju Thummala, E. Sivasanker, K. Abdul Hakeem

Tea Break (11:30-11:45)

Session-II Theme: Natural Disasters- I

Time: 11:45-13:00 IST

Date: 12 October, 2017

Venue: Seminar Hall-1, Platinum Jubilee Guest House, Andhra University, Visakhapatnam

Chair: Dr. Muhamad Soleh

Co-Chairs: Prof. T. Venkata Praveen

S. No.	Paper ID	Title of the Paper	Authors
7	ICRSDM47	Flood Inundation Simulation of Mahanadi River, Odisha during September 2008 by using HEC-RAS	TusharSurwase, G. SrinivasaRao, Dr. P. Manjusree, Dr. P.V. Nagamani, Dr. G. Jai Sankar

		2D model	
8	ICRSDM61	Geospatial Technologies as an aid to Decision Support System (DSS) for assessment of urban floods in GHMC areas of Hyderabad	PrathapaniPrakash, Aswini Kumar Das, K. Sreenivasulu, G. Sreenivasa Reddy
9	ICRSDM94	Hydrological Viability Analysis for Minor Irrigation Tanks Cascade System Using Remote Sensing and GIS	Y. RajaRajeswari and N.Bhaskara Rao
10	ICRSDM96	Runoff Estimation using Optimized Curve Number with Special Reference to Semi-Arid Agriculture Watershed	NagaveniChokkavarapu and Pavan Kumar Kand MandlaVenkataRavibabu
11	ICRSDM115	Geospatial Flood Risk Mapping and Analysis Tool	Johny Samuel, Sahaya Arul, Jeni Chandra Padua
12	ICRSDM123	Application of GIS and Remote Sensing Techniques in Drainage Network Analysis- A case study of of Naina–Gorma basin of Rewa District, M.P., India	Vimala Singh

Session-III Theme: Natural Disasters- II

Time: 10:00-11:30 IST

Date: 12 October, 2017

Venue: Seminar Hall-2, Platinum Jubilee Guest House, Andhra University, Visakhapatnam

Chair: Dr. Amitanshu Pattanaik

Co-Chair: Prof. P.V.V. Satyanarayana

S. No.	Paper ID	Title of the Paper	Authors
1	ICRSDM126	Early Warning Systems For Landslides – A Review	Amitanshu Pattanaik
2	ICRSDM62	Landslide Vulnerability Assessment In Greater Visakhapatnam Municipal Corporation, Andhra Pradesh, India - A Terrain Evaluation Approach	P.JagadeeswaraRao and Ch.V.RamaRao
3	ICRSDM63	Geospatial Study On Landslide Vulnerability Assessment In The Environs Of Araku Valley, Visakhapatnam District, Andhra Pradesh	Ch. Anusha and P.Jagadeeswara Rao
4	ICRSDM87	Detection of Landslide using High Resolution Satellite Data and Analysis using Entropy	Ibrahim Shaik, SaurabhGangwar, S.V.C KameswaraRao, BalakrishnaPenta
5	ICRSDM92	Landslide Susceptibility Mapping Using Gis -Based Likelihood Frequency Ratio Model: A Case Study Of Pakyong - Pacheykhani Area, Sikkim Himalaya.	Dr. N.S.R.Prasad, A. Simhachalam and Dinesh Dhakal
6	ICRSDM102	Inventory And Monitoring Of Glacial Lakes In Himalayan Region Using Geo Spatial Technologies	P. Satyanarayana, E. Siva Shankar, E.Amminedu and N.VictorBabu

Tea Break (11:30-11:45)			
Session-IV Theme: Natural Disasters- II			
Time: 11:45-13:00 IST		Date: 12 October 2017	
Venue: Seminar Hall-2, Platinum Jubilee Guest House, Andhra University, Visakhapatnam			
Chair: Dr. Bhavani Kumar Yellapragada			
Co-Chair: Prof. E. Amminedu			
S. No.	Paper ID	Title of the Paper	Authors
7	ICRSDM35	Multi-angle Lidar for remote sensing smoke emissions from wildfires	Bhavani Kumar Yellapragada
8	ICRSDM69	Dynamics Of Plantations In Selected IWMP Project Areas In Andhra Pradesh Using BhuvanSrishti	G.Sravanthi, K.M.Reddy , G.S. Pujar , P.Jagadeeswara Rao
9	ICRSDM32	Monitoring convective clouds over India and nearby regions using multi-spectral satellite observations	Mohammd Rafiq, Anoop Kumar Mishra1, Jagabandhu Panda and Som Kumar Sharma
10	ICRSDM39	Tropical Cyclones induced disasters over China coast during last decade (1995-2016)	M.V. Subrahmanyam, Yu Shengyan and ZuoJuncheng
11	ICRSDM118	Impact of climate change on tropical cyclones frequency and intensity on Indian coasts.	Sushil Gupta
LAUNCH BREAK (13:00-14:00)			
Venue: Seminar Hall-1, Platinum Jubilee Guest House, Andhra University, Visakhapatnam			
Date: 12 October, 2017			
14:00 – 14:30		Keynote Speaker: Dr. V. Bhanu Murthy (ISRO)	
Session-V Theme: Internet-of-Things			
Time: 14:30-16:00 IST		Date: 12 October 2017	
Venue: Seminar Hall-1, Platinum Jubilee Guest House, Andhra University, Visakhapatnam			
Chair: Dr. Lakshmi Narayana			
Co-Chairs: Prof. Lalitha Bhaskari			
S. No.	Paper ID	Title of the Paper	Authors
1	ICRSDM33	Security Issues in Geo-Spatial Big Data Analytics with Special Reference to Disaster Management	Ashok Kote, VijayaRaju Motru, Rajesh Duvvuru, Gudikandhula Narasimha Rao, PYLN Swami, Saurabh Singh Thakur, Sunil kumarsingh, P JagadeeswaraRao
2	ICRSDM59	Integration of multiple technologies in web environment for developing an efficient framework for Emergency Management	V. Bhanumurthy, Vinod Kumar Sharma
3	ICRSDM101	Integrative Spectrum Sensing in Cognitive Radio using Wireless Networks	Bosubabu Sambana, Dharavat Ravi Nayak, Dr.K.Chandra Bhushana Rao , Linga Srinivasa Reddy
4	ICRSDM134	Intelligent Object Tracking in River Floods, Andhra Pradesh, India using MOTSC Approach	Rajesh Duvvuru *, Peddada Jagadeeswara Rao *, Gudikandhula Narasimha Rao *, Bendalam Sridhar *, Suribabu

			Boyidi , Dadi Sanyasi Naidu
5	ICRSDM135	Geo-spatial study on fire risk assessment in Kambalakonda reserved forests, Visakhapatnam, India: A clustering approach	Gudikandhula Narasimha, Jagadeeswara Rao , Rajesh Duvvuru , Bendalam Sridhar

Session-VI Theme: UAV & Mock drills
Time: 14:30-16:00 IST **Date: 12 October 2017**
Venue: Seminar Hall-2, Platinum Jubilee Guest House, Andhra University, Visakhapatnam

Chair: Prof. G. S. N. Raju
Co-Chair: Prof. K. Ramji

S. No.	Paper ID	Title of the Paper	Authors
1	ICRSDM105	Change Detection in Multitemporal Images using Multistage Clustering for Post-Disaster Recovery Planning	Muhamad Soleh and Aniatimurni Arymurthy
2	ICRSDM28	Design and Fabrication of Solar Powered Unmanned Aerial Vehicle for Border Surveillance	Vijayanandh R, AhillaBharathy L , Senthil Kumar M , Raj Kumar G, Darshan Kumar J
3	ICRSDM114	Automatic Landing site detection for UAV using supervised classification	Sudheer Nagothu
4	ICRSDM53	Space Technology Based Disaster Management and its Societal Implications	Dr. Dhruvi Bharwad
5	ICRSDM54	Role Of Remote Sensing System For Disaster Area Response	Gadde Anjaneyulu and Aalla Suseela

Break
Tea and Snacks (16:00-16:15)

Session-VII Theme: Air Pollution, Coastal Erosion & Droughts
Time: 16:15-17:30 IST **Date: 12 October 2017**
Venue: Seminar Hall-1, Platinum Jubilee Guest House, Andhra University, Visakhapatnam

Chair: Dr. M. V. Ramana Murthy
Co-Chairs: Prof. A. J. Solmon Raju

S. No.	Paper ID	Title of the Paper	Authors
1	ICRSDM49	Integrated Approach for Local Level Drought Assessment and Risk Reduction	M. Kavitha, G. K. Ramteke, A. Kamalakar Reddy, N. Narender and G. Sreenivasa Reddy
2	ICRSDM50	Study on Drought Monitoring from Spectral Indices in Noyyal River Sub-Watershed using Landsat-8 Imageries	Brema.J
3	ICRSDM64	Assessment of Soil Erosion in Upper Tungabhadra Sub basin by Using Universal Soil Loss Equation and Geospatial techniques	N Haripavan, Dr G. Abbaiah Ramalingeshwararao
4	ICRSDM23	Coastal Erosion and Shoreline Change in Ganjam Coast along East Coast of	Monalisha Mishra and Dr. G. K. Panda

		India	
5	ICRSDM86	Assessment of Coastal Erosion along the Srikakulam district, Andhra Pradesh state using satellite data of 1990-2000 and 2000-2016 time frames	Y.Padmini and P.Jagadeeswara Rao
6	ICRSDM129	Impact Of Land Use/Land Cover And Mangrove Degradation On Coastal Erosion In Godavari Delta Region, Andhra Pradesh – A Geospatial Approach	A.Kavya, A.GangaBhavani, P.JagadeeswaraRao and V.Bala Chandrudu
7	ICRSDM55	Integrated methodology for delineation of salt-water and fresh water interface between Kolleru lake and bay of Bengal coast, Andhra Pradesh, India.	Harikrishna Karanam, Jaisankar Gummapu and VenkateswaraRao Velaga,
Session-VIII Theme: Air Pollution, Coastal Erosion & Droughts Time: 16:15-17:30 IST Date: 12 October 2017 Venue: Seminar Hall-2, Platinum Jubilee Guest House, Andhra University, Visakhapatnam			
Chair: Dr. B. M. Faruque Co-Chairs: Prof. K. Nageswara Rao			
S. No.	Paper ID	Title of the Paper	Authors
1	ICRSDM136	Signatures Of Last Glacial Cycle And Tectonics Along Gopalpur-Konark Coastal Tract, Odisha	B.M.Faruque Director (Retd), Geological Survey of India
2	ICRSDM45	Geo-spatial application to assess the impact of Landuse/Landcover on heavy metal contamination in the surface soil of Western Assam, India.	Ravi Prakash Singh, Saumya singh, Neha singh, Saumitra Mukherjee
3	ICRSDM49	Integrated Approach for Local Level Drought Assessment and Risk Reduction	M. Kavitha, G. K. Ramteke, A. Kamalakar Reddy, N. Narender and G. Sreenivasa Reddy
4	ICRSDM50	Study on Drought Monitoring from Spectral Indices in Noyyal River Sub-Watershed using Landsat-8 Imageries	Brema.J
5	ICRSDM64	Assessment of Soil Erosion in Upper Tungabhadra Sub basin by Using Universal Soil Loss Equation and Geospatial techniques	N Haripavan, Dr G. Abbaiah Ramalingeshwararao
6	ICRSDM95	Temperature and vegetation Indices based surface soil moisture estimations: A Remote Sensing data approach	Vani V, Pavan Kumar, Mandla Venkata and Ravibabu

Day-3

Session-IX Theme: Medical and RS & GIS

Time: 11:45-13:00 IST

Date: 13 October 2017

Venue: Seminar Hall-1, Platinum Jubilee Guest House, Andhra University, Visakhapatnam

Chair: Dr. B Kutikuppala Surya Rao

Co-Chairs: Prof. Sk. Vazeer Mahmood

S. No.	Paper ID	Title of the Paper	Authors
1	ICRSDM137	Public health emergencies during disasters - A strategic response	Kutikuppala Surya Rao
2	ICRSDM40	Disaster Preparedness-Veterinarian Perspective	Dr. K. Raja Kishore and K. Vijaya Sri
3	ICRSDM121	A Review on Role of Telemedicine in Disaster Management: A Pharmacist Perspective	Anusha Nutakki, Vijay Kotra , Sathish Kumar Konidala
4	ICRSDM71	GIScience for Monitoring of the Health & Emergency Services during Disaster in Tribal Area, East Godavari, Andhra Pradesh, India	B Suribabu, G.Jaisanankar,Bodasingu Ravi Kumar, P Balakrishna, Tulli CS Rao, K.Ananda Ratna kumar Dr.K M Ganesh,,
5	ICRSDM72	Determination of surface water infiltration on newly developed previous concrete surface in different soil types of visakhapatnam and surrounding areas by using RS and GIS technology.	B.RaviKumar,G.JaiSankar, P.Stephen, S.Ganesh, M.Neeraj Kumar
6	ICRSDM97	Estimating aquifer characteristics by conducting pumping tests; A GIS and Remote Sensing Approach in South Western part of Mahbubnagar District, Telangana State, India.	Sreedhar Kuntamalla, G Sakram, N Madhusudan,
7	ICRSDM98	Delineating Aquifer Zones by Groundwater quantity through hotpots in South Western part of Rangareddy District, Telangana State, India – Spatial Approach	G Sakram, Sreedhar Kuntamalla, N Madhusudan, Ratnakar Dhakate and Praveen Raj Saxena.
8	ICRSDM113	Evaluation Of Risk Potential Of Industries And Natural Hazards In The Wards Of Hyderabad, India –Ahp Multi-Criteria Modeling Perspective Using Remote Sensing And GIS	Murali Krishna Gurram and Nooka Ratnam Kinthada

Session-X Theme: RS & GIS, CIVIL & Urban Resilience

Time: 11:15-13:00 IST

Date: 13 October 2017

Venue: Seminar Hall-2, Platinum Jubilee Guest House, Andhra University, Visakhapatnam

Chair: Dr. M. Kavitha

Co-Chairs: Prof. G. Viswanadha Kumar

S. No.	Paper ID	Title of the Paper	Authors
1	ICRSDM13	GIS Technology for Assessment of Urban Green cover Area of Madurai Corporation in Tamil Nadu	NagarajuThummala , A. NarsingRao, V. E. NethajiMariappan , E. Srinivas
2	ICRSDM37	Urbanization and Tank systems adjoining Hyderabad - A rapid assessment using Remote Sensing Techniques.	K Ramesh Reddy, P Narendra Babu and E Srivnivas

3	ICRSDM52	A Spatial Disaster Management Framework for smart cities	Abhishek Arepalli
4	ICRSDM125	Study of loss of contact for rectangular footings resting on Soil	M. Kondala Rao, N. Gopika, K. S. Vivek, Ravi Kumar Reddy. C
5	ICRSDM130	An Assessment of Trend of Urban Population Growth: A case Study of Visakhapatnam City.	S Ramakrishna, Prof.T.V.Krishna, Dr.T.Ramesh, B.Suribabu
6	ICRSDM131	Slums impact on Urbanization: A case study of Greater Visakhapatnam Municipal Corporation (GVMC) Through GIS & RS, Andhra Pradesh, India	Ramakrishna, Prof.T.V.Krishna, Dr.T.Ramesh,B.Suribabu
7	ICRSDM140	An integrated study on the status of surface water bodies in GVMC area using Geo-spatial technologies,"	L.Tajaswini,E.Amminedu and V.Venkateswara Rao
9	ICRSDM66	Applications of RS and GIS techniques for Disaster studies in East Godavari District, Andhra Pradesh, India,	K. Padmakumari and Killi Srinivas,
10	ICRSDM132	A Geospatial Approach to Assess the Liquefaction Vulnerability of Kutch district, Gujarat - A Case Study	Kuntal Ganguly, P Jagadeeswara Rao, K Mruthyunjaya Reddy, Sridhar B
Session-XI Theme: RS & GIS, Rural and Urban Development			
Time: 11:15-13:00 IST		Date: 13 October 2017	
Venue: Guest Room, Platinum Jubilee Guest House, Andhra University, Visakhapatnam			
Chair: Dr. V. Ravi Kumar			
Co-Chairs: Prof. G. Jaisankar			
1	ICRSDM127	Towards Resilient Transportation Systems for Effective Cyclone Management – City of Visakhapatnam	Ms.VarshaAkavarapu Mr.Maqbool Ahmed
2	ICRSDM51	Vibration measurement of a steel bridge using smart sensors: Deployment and Evaluation	Brema. J, SanthoshKumar.J, Prathibaa.K
3	ICRSDM09	Geospatial approach to Support Panchayat Level Activity Planning for Rural Development	MadhuBabuKanaparthi, Sapana B Chavan., Kuldeep , Swati Uniyal, Ravi Prakash Singh., ViratArora, VijayaBanu, P Satyanarayana., Uday Raj
4	ICRSDM67	Delineation of Target areas for MGNREGA related NRM activities using Web GIS and Multi Thematic Geo Spatial Datasets	Tejaswini, G.S Pujar, K. Mruthyunjaya Reddy, T. Ravi Shankar
5	ICRSDM68	Assessing the Spatial Patterns of geotagged MGNREGA assets on Bhuvanusing GIS based analysis	Divya, K.Mruthyujaya Reddy, G.S.Pujar, P. Jagadeeswara rao
6	ICRSDM120	Soil erosion assessment of Hilly terrain of Paderu using USLE & GIS	Dr. Ramprasad Naik Desavathu, P. Jagadeeswara Rao
7	ICRSDM139	Road Network For Disaster Guide In Rural	Sk. Rehanaz Begum, G. Jaisankar,

	Area, East Godavari District, Ap ,India: A Case Study Of Spatial Approach	B. Suribabu, B. Ravi Kumar, K. M. Ganesh
LAUNCH BREAK (13:00-14:00)		
Venue: Dr. Y. V. S. Murthy Auditorium, College of Engineering (A)		
14:30- 15:00	Keynote Speaker: Dr. B.M.Faruque (Former Director, GSI)	
15:30- 15:50	Keynote Speaker: Dr. Vundavalli Ravi Kumar (Former Director, GSI)	
15:50- 16:00	High Tea	
16:00-16:30	Panel Discussion Chairman: Dr. Kutikuppala Surya Rao	
16:30 -18:00	Valedictory Function	
	Closing Ceremony	